ACADEMIC PROGRAM ARTICULATION AGREEMENT BETWEEN HAGERSTOWN COMMUNITY COLLEGE
AND
FROSTBURG STATE UNIVERSITY REGARDING TRANSFER FROM ASSOCIATE OF SCIENCE IN COMPUTER SCIENCE TO BACHELOR OF SCIENCE IN COMPUTER SCIENCE

This Academic Program Articulation Agreement ("Agreement") is entered into by and between Hagerstown Community College (the "Sending Institution") and Frostburg State University (the "Receiving Institution") (collectively, the "Institutions") to facilitate the transfer of academic credits from Associate of Science in Computer Science, HEGIS 498001 and CIP 110101, for the completion of the Bachelor of Science in Computer Science, HEGIS code 070210 and CIP code 111003.

A. Qualifying Students

This Agreement pertains to the transfer of "Qualifying Students", *i.e.*, those students who:
1. Have successfully completed the program at the Sending Institution;
2. Are enrolled in the Sending Institution, in good standing; and
3. Are accepted for admission to the Receiving Institution

B. Responsibilities of the Institutions

The Institutions agree to implement the transfer of Qualifying Students in accordance with applicable law and the following requirements and protocols:

1. A Qualifying Student may transfer from the Transferring Institution into the Receiving Institution for the completion of the Program.

2. Courses that the Receiving School will accept credits for towards completion of the Program include:

Sending Institution Course			Receiving Institution Comparable Course			
Course Number	Course Name	Credits	Course Number	Course Name	Credits	Applied to*
ENG 101	English Composition	3.0	ENGL 101	First-Year Composition	3.0	Gen. Ed.
MAT 203	Calculus I	4.0	MATH 236	Calculus I	4.0	Gen. Ed. and Major
MAT 204	Calculus II	4.0	MATH 237	Calculus II	4.0	Major
MAT 208	Linear Algebra	4.0	MATH 350	Linear Algebra	3.0	Major
CSC 102	Intro to Information Technology	3.0	COSC 100	Intro to Computer Science	3.0	General elective
CSC 130	Fundamentals of Program Design**	3.0	COSC 101	The Discipline of Computer Science	3.0	Major

1

CSC 132	Computer Science I**	4.0	COSC 240	Computer Science I	4.0	Major
CSC 134	Intro to JAVA Programming	4.0	COSC 195	Lower-level elective	4.0	General elective
CSC 232	Computer Science II**	4.0	COSC 241	Computer Science II	4.0	Major
CYB 210	Discrete Math**	3.0	COSC 102	Foundations of Computer Science	4.0	Major
BIO 113	Principles of Biology I	4.0	BIOL 149	General Biology I	4.0	Gen. ed. &Major
BIO 114	Principles of Biology II	4.0	BIOL 160	General Zoology	4.0	Major
CHM 103	General Chemistry I	4.0	CHEM 201	General Chemistry I	4.0	Gen. ed. &Major
CHM 104	General Chemistry II	4.0	CHEM 202	General Chemistry II	4.0	Major
PHY 201	General Physics I	4.0	PHYS 261	Principles of Physics I	4.0	Gen. ed. &Major
PHY 202	General Physics II	4.0	PHYS 262	Principles of Physics II	4.0	Major
	TOTAL CREDITS	**60**		**TOTAL CREDITS**	**60**	

**Student must earn a C in the class to be transferred to FSU.

3. The Receiving Institution shall designate, and shall provide to the Sending Institution, the contact information for a staff person at the Receiving Institution who is responsible for the oversight of the transfer of Qualifying Students. The Sending Institution shall designate, and shall provide to the Receiving Institution, the contact information for a staff person at the Sending Institution who is responsible for the oversight of the transfer of Qualifying Students.

	Sending Institution	Receiving Institution
Name of staff person responsible for oversight	Dr. Kathleen J. D'Ambrisi	Dr. Linda Steele
Title of staff person	Dean of Instruction	Transfer and Articulation Coordinator
Email address	kmdambrisi@ccbcmd.edu	lsteele@frostburg.edu
Telephone Number	240-500-2437	301-687-4137

Should the staff person or position change, the institution will promptly provide new contact information to the partner institution and inform the Maryland Higher Education Commission of the change.

Additional contact information:

[Role & Responsibilities of persons listed here]	Sending Institution	Receiving Institution
Name of person	Nancy Arnone	Dr. Michael Flinn
Title of person	Director, Business and Technology	Chair of Computer Science and Information Technologies
Email address	ngarnone@hagerstowncc.edu	mflinn@frostburg.edu
Telephone Number	240-500-2402	301-687-4835

4. If the Qualifying Student is using federal Title 38 VA Education Benefits (GI Bill® Education Benefits), the Institutions shall adhere to all applicable U.S. Department of Veterans Affairs' regulations, including the regulations governing the awarding prior credit, as regulated under Title 38, Code of Federal Regulations, Sections 21.4253(d)(3) and 21.4254(c)(4).

5. Each Institution shall adhere to all applicable transfer requirements set forth in the Annotated Code of Maryland and the Code of Maryland Regulations.

6. Each Institution shall advise students regarding transfer opportunities under this Agreement, and shall advise students of financial aid opportunities and implications associated with the transfer.

7. Should either Institution make changes to program requirements, the institution will inform the partner institution immediately. The articulation agreement should be updated to reflect the changes and forwarded to the Maryland Higher Education Commission.

C. Term and Termination

1. This agreement shall be effective on the date that it is signed by the appropriate and authorized representatives of each Institution and shall remain in effect for one (1) year. This agreement shall automatically renew for one (1) year terms, unless terminated as set forth below.

2. Either Institution may, at its sole discretion, terminate this Agreement upon delivering 60 days written notice to the other Institution and the Maryland Higher Education Commission. The parties agree that termination shall include an agreement that students currently enrolled in the program at the time of termination shall be permitted to complete the program as described herein.

3. Both Institutions agree to meet once every year to review the terms of this agreement.

D. Amendment

1. This Agreement constitutes the entire understanding and agreement of the Institutions with respect to their rights and obligations in carrying out the terms of the Agreement, and supersedes any prior or contemporaneous agreements or understandings.

2. This Agreement may be modified only by written amendment executed by both Institutions.

E. Governing Law

This Agreement shall be governed by, and construed in accordance with, the laws of the State of Maryland.

F. Counterparts

This Agreement may be executed in counterparts, each of which shall be deemed to be an original, but all of which, taken together, shall constitute one and the same agreement.

G. Notice of Agreement

1. The Institutions agree to provide a copy of this Agreement, with any amendments, to the Maryland Higher Education Commission.

2. The Institutions agree to provide copies of this Agreement to all relevant individuals and departments of the Institutions, including but not limited to students, academic department chairs participating in the transfer, offices of the president, registrar's offices, and financial aid offices.

H. No Third-Party Beneficiaries

There are no third-party beneficiaries to this Agreement.

I. Representations and Warranties of the Parties

Both Institutions represent and warrant that the following shall be true and correct as of the Effective Date of this Agreement, and shall continue to be true and correct during the term of this Agreement:
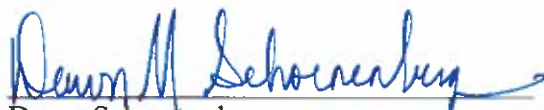
1. The Institutions are and shall remain in compliance with all applicable federal, state, and local statutes, laws, ordinances, and regulations relating to this Agreement, as amended from time to time.

2. Each Institution has taken all action necessary for the approval and execution of this Agreement.

4

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed by their duly authorized representatives.

Hagerstown Community College

By: _____

James S. Klauber, Ph.D.
President

_10 -14 - 24_

Date

_____

Dawn Schoenenberger
Vice President of Academic
Affairs and Student Services

_10 - 9 - 24_

Date

_____

Kathleen Jordan D'Ambrisi, Ph.D.
Dean of Instruction

_10 - 0 8 - 2024_

Date

Frostburg State University

By: _____

Ronald Nowaczyk, Ph.D.
President

_10/2/ 2024_

Date

_____

Sharman Adams, Ph.D.
Interim Provost

_10|11| 24_

Date

_____

Sudhir Singh, Ph.D.
Dean of Business, Engineering,
Computational and Mathematical
Sciences

September 26, 2024

Date

Hagerstown Community College Transfer Guide

FROSTBURG
STATE UNIVERSITY

TRANSFER GUIDE	A.S. in Computer Science	B.S. in Computer Science

This transfer guide is intended for students pursuing an A.S. in Computer Science. It demonstrates how a student can meet both requirements for the associates degree and prepare for a seamless transfer to Frostburg State University's B.S. in Computer Science.

Career Pathway:

This program builds on your passion for technology, starting with an associate's degree, and develops it into a comprehensive foundation for a career in computer science. As you advance into a bachelor's degree at Frostburg State University, you'll gain critical skills in software development, data modeling, pipeline automation, and socket programming. You'll also dive into Agile software development practices, preparing you for dynamic, team-based work environments. This pathway sets you up for a variety of careers in software engineering, system architecture, DevOps, IT consulting, and more. A B.S. in Computer Science will equip you to thrive in the ever-evolving tech landscape.

Frostburg Notes:

Frostburg State University accepts up to 70 credits from community college.

Frostburg State University is an Equal Opportunity Institution. Admission shall be determined without regard to race, color, religion, sex, national origin, age, status as a veteran, or disability.

FSU is committed to making all of its programs, services and activities accessible to persons with disabilities. To request accommodation through the ADA Compliance Office, call 301-687-3035 or use a Voice Relay Operator at 1-800-735-2258. Frostburg State University is a smoke-free campus.

YEAR 1 - COMMUNITY COLLEGE

FALL	Frostburg Equivalent	CREDITS	SPRING	Frostburg Equivalent	CREDITS
ENGL 101/101E English Composition	ENGL 101	3	Gen Ed Sci - BIO 113, CHM 103, or PHY 201	GEP Group C	4
MAT 203 Calculus I*	MATH 236	4	CSC 134 Intro to JAVA Programming	COSC 195	4
CSC 130 Fundamentals of Program Design*	COSC 101	3	Gen Ed Diversity	GEP Group F	3
CSC 102 Intro to Info Technology	COSC 100	3	MAT 204 Calculus II	MATH 237	4
Gen Ed Behavioral and Social Science	GEP Group D	3			
TOTAL CREDITS		16	**TOTAL CREDITS**		15

YEAR 2 - COMMUNITY COLLEGE

FALL	Frostburg Equivalent	CREDITS	SPRING	Frostburg Equivalent	CREDITS
Gen Ed Sci - BIO 113, CHM 103, or PHY 201	GEP Group C	4	Gen Ed Behavioral/Social Science	GEP Group D	3
CSC 132 Computer Science I*	COSC 240	4	CSC 232 Computer Science II*	COSC 241	4
MAT 208 Linear Algebra	MATH 350	4	Gen Ed Arts/Humanities	GEP Group A or B	3
Gen Ed Arts/Humanities	GEP Group A or B	3	MAT 207 Discrete Math*	COSC 102	3
			CYB 210*	COSC 305 ICS Elective	3
TOTAL CREDITS		15	**TOTAL CREDITS**		16

YEAR 3 - FROSTBURG STATE UNIVERSITY

FALL	CREDITS	SPRING	CREDITS
COSC 310 Data Structure and Analysis*	3	COSC 325 Software Engineering*	3
COSC 350 Low Level Programming*	3	COSC 331 Fundamentals Networking*	3
Second Science - BIOL 2, CHEM 2, or PHYS 2	4	COSC 365 Digital Logic*	4
STCO 102/122 Communication	3	MATH 280/380 Advanced Prob & Stat	3
IDIS 150	3	GEP Group A or B	3
TOTAL CREDITS	16	**TOTAL CREDITS**	16

YEAR 4 - FROSTBURG STATE UNIVERSITY

FALL	CREDITS	SPRING	CREDITS
COSC 450 Prog. Language Principles*	3	COSC 444 Parallel Computing*	3
COSC 460 Operating Systems *	3	COSC 485 Theory of Computation*	3
Computer Science Elective (2 of 2)*	3	COSC 489 Capstone*	1
ENGL 338 Technical Writing*	3	GEP Group E	3
General Elective**	3	General Elective**	3
TOTAL CREDITS	15	**TOTAL CREDITS**	13

* = Course must be completed with a grade of C or better
** = Consult Academic Advisor at Frostburg State University

Academic School Year - 2024-2025